

FIG. 1

**PRINT OF DRAWINGS
AS ORIGINALLY FED**



FIG. 2

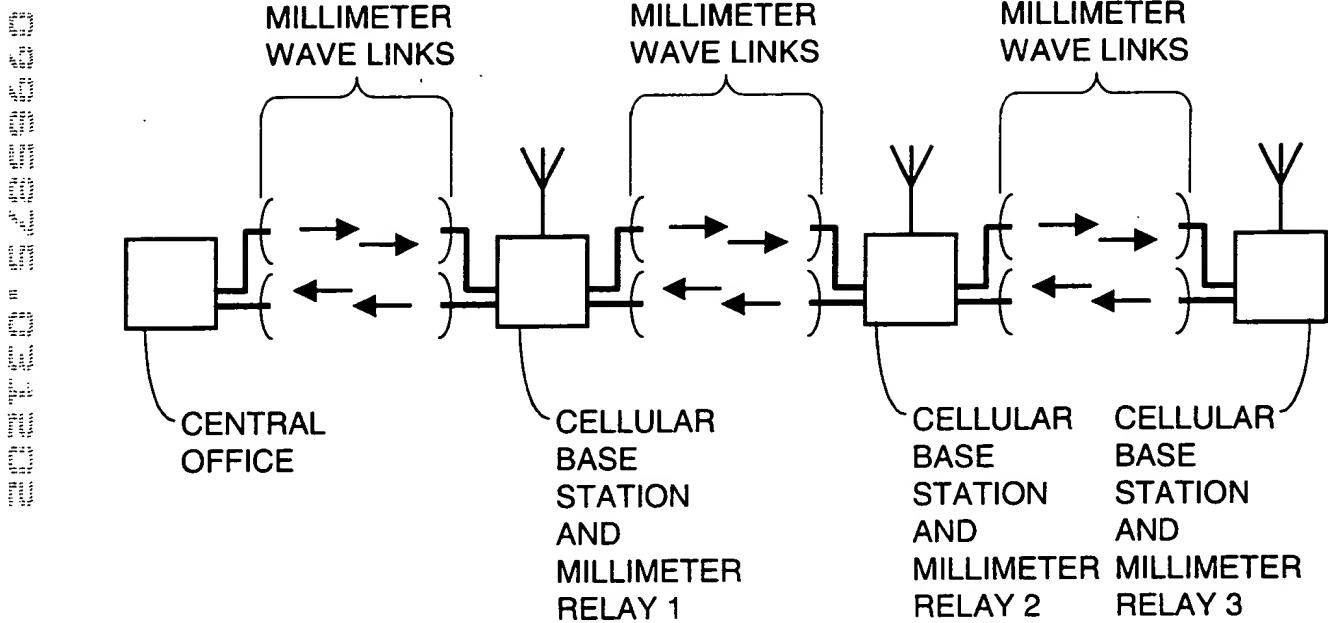


FIG. 3

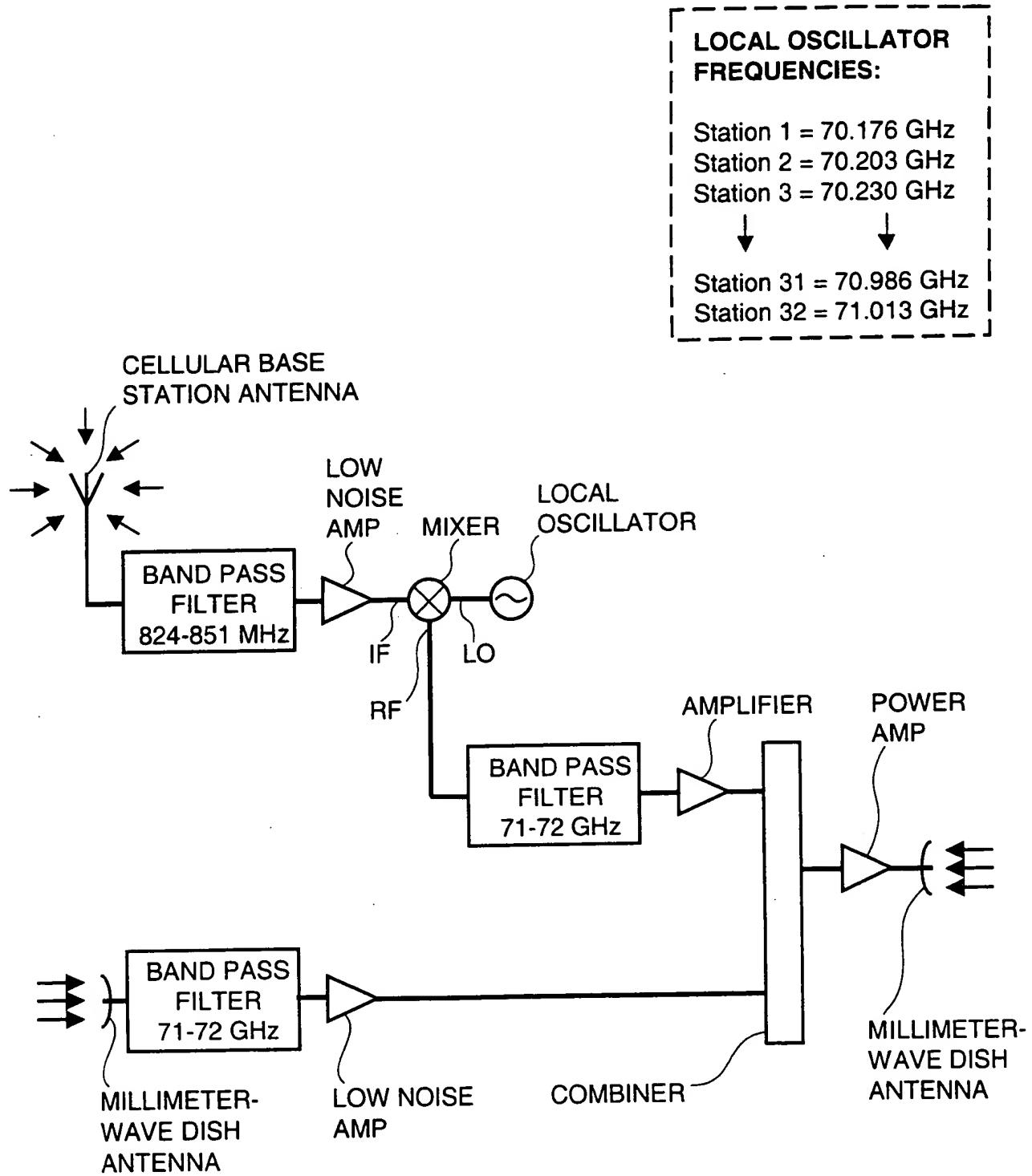


FIG. 4

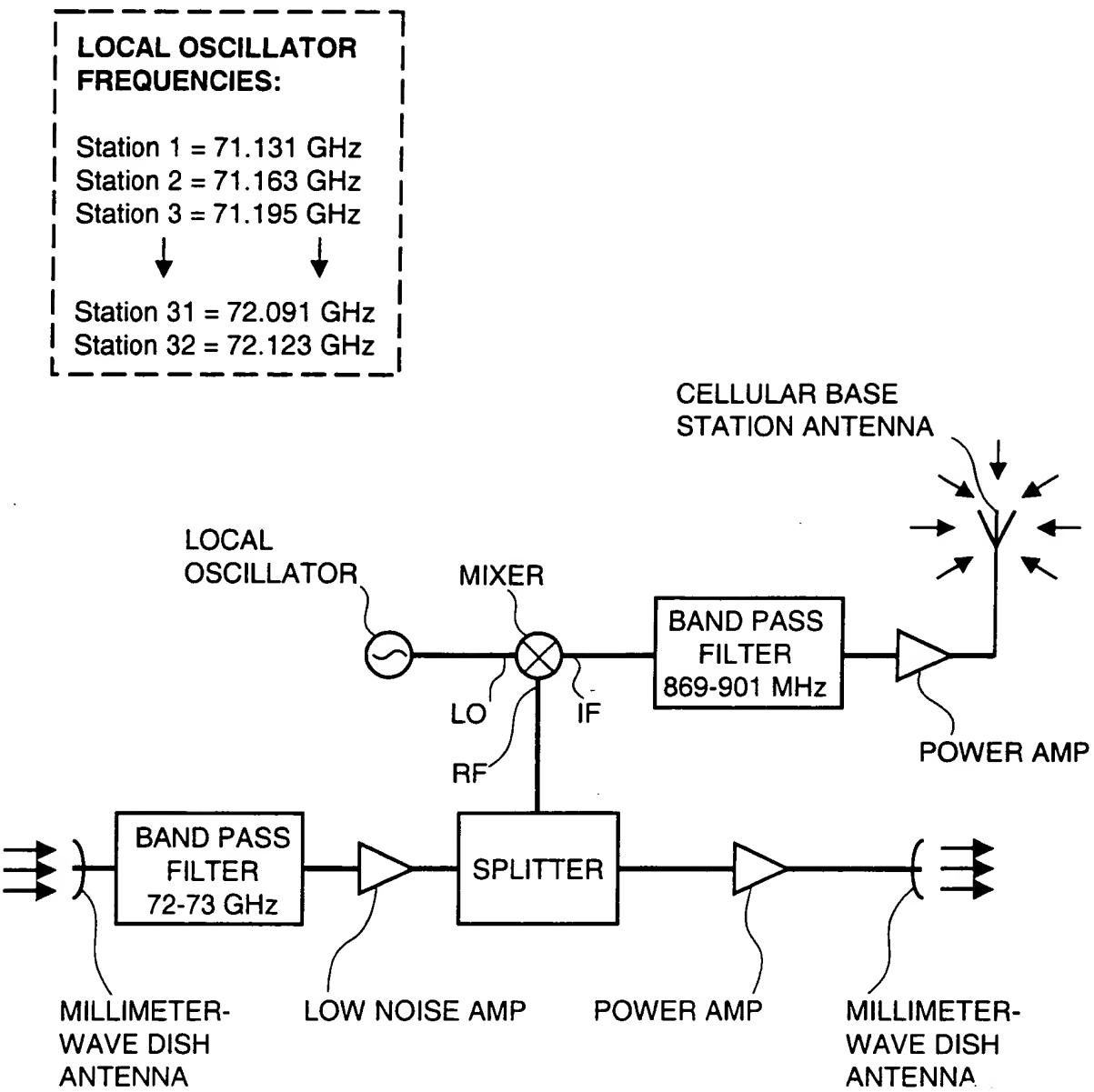


FIG. 5

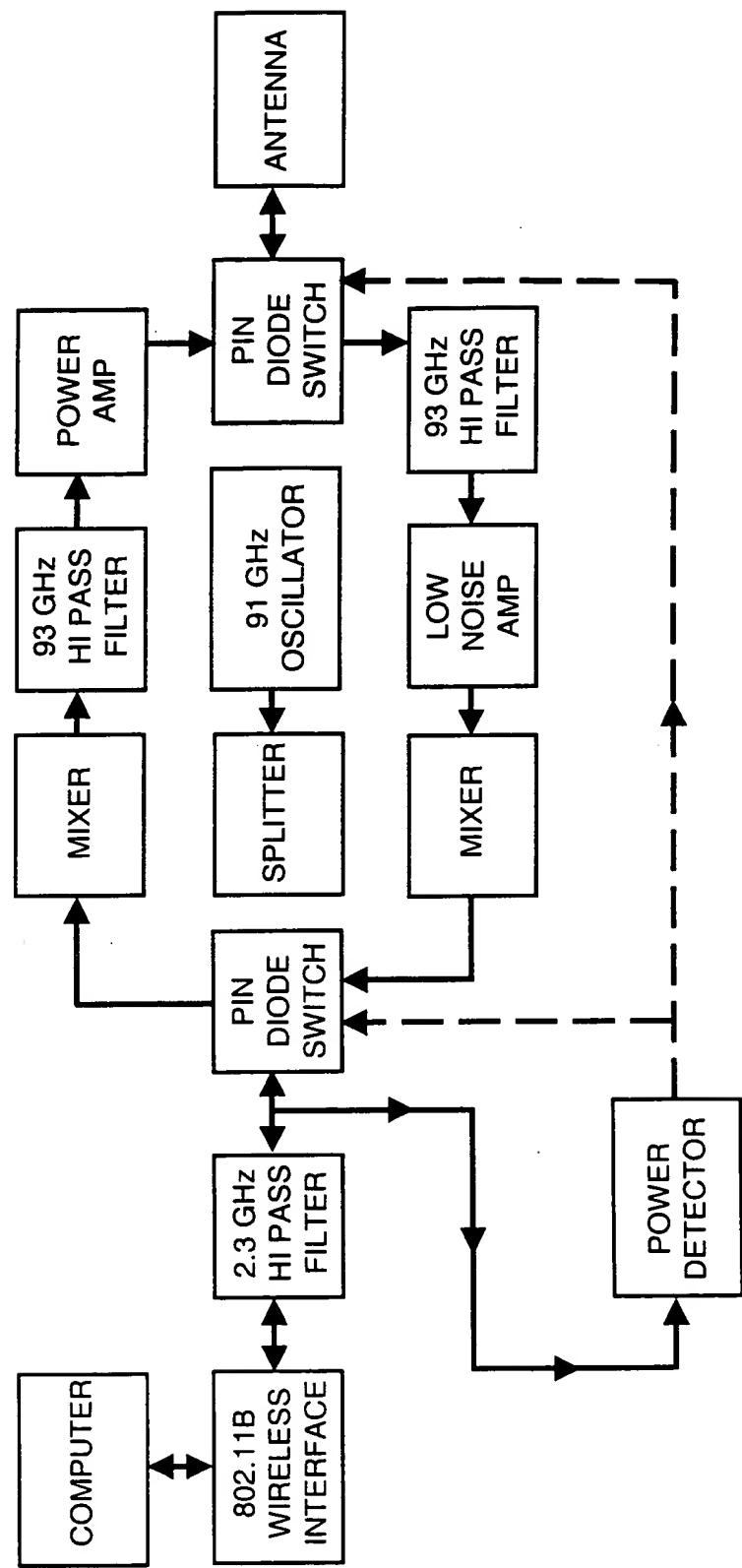


FIG. 6

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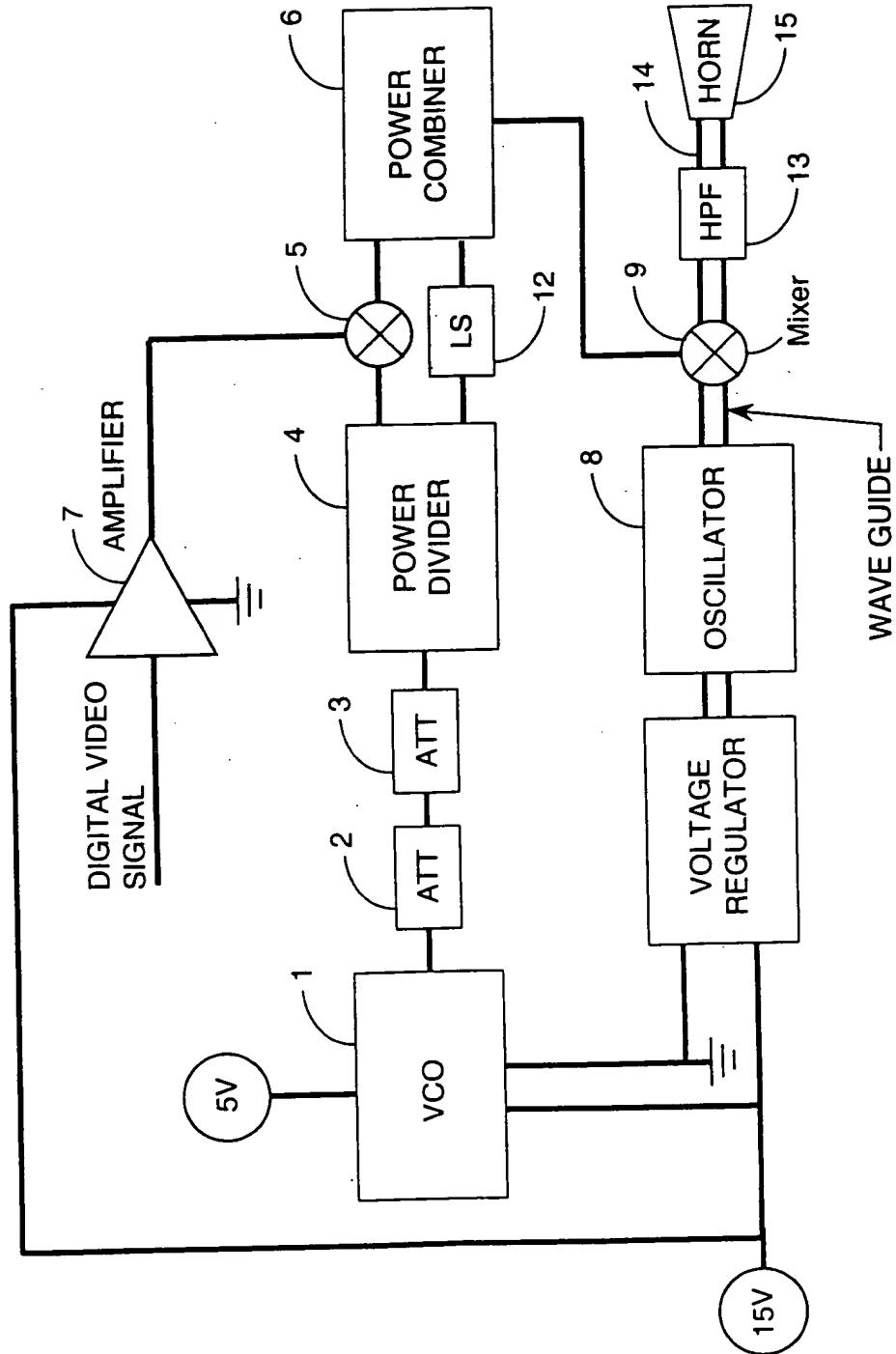


FIG. 7

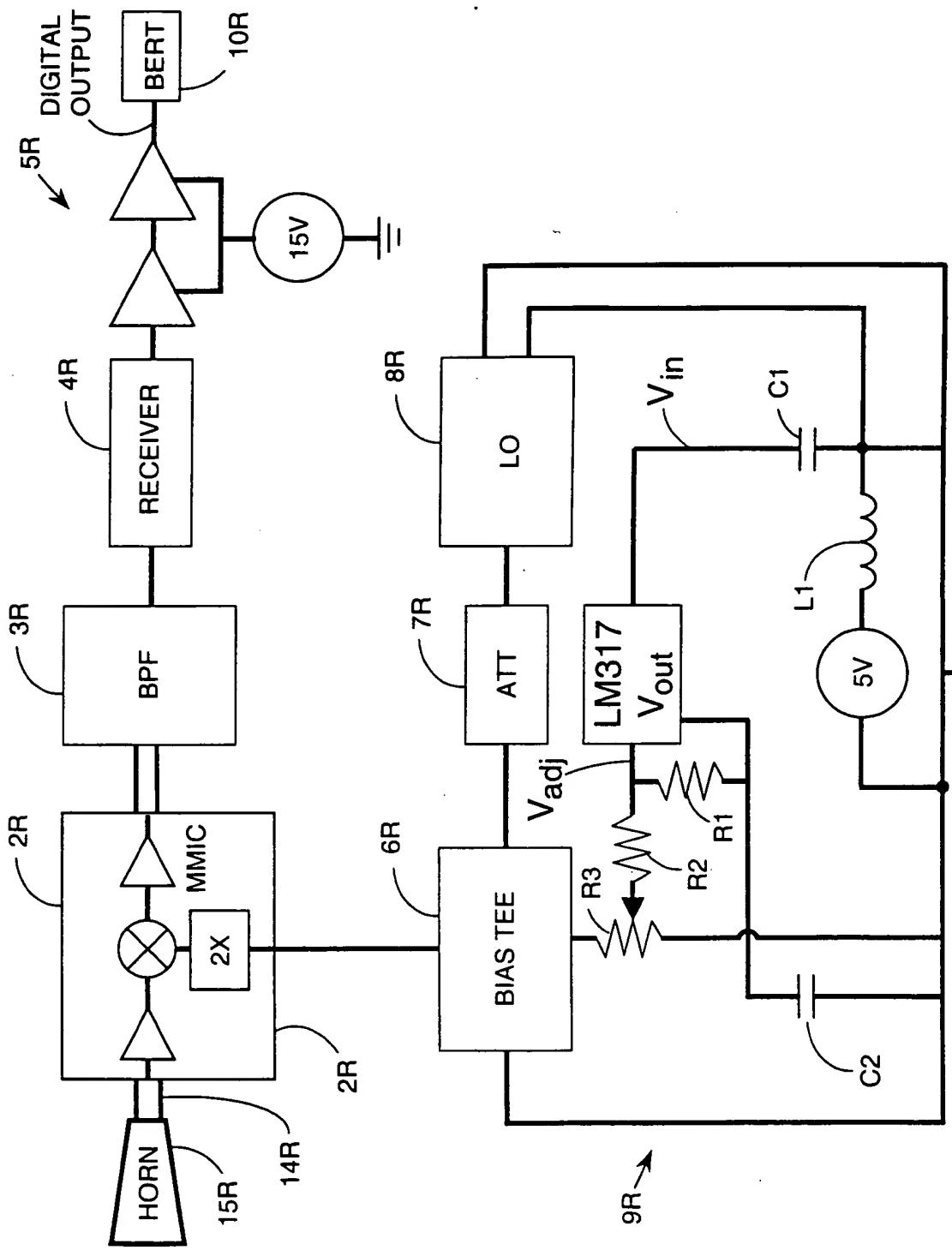
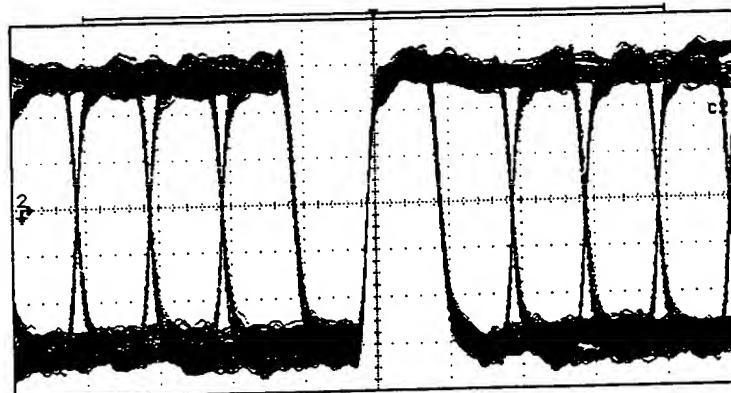


FIG. 8

**PRINT OF DRAWINGS
AS ORIGINALLY DRAWN**

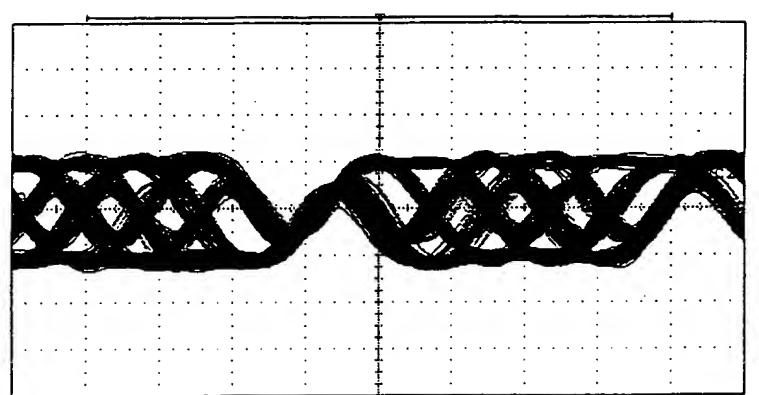
099999999999999999999999



-24.000 ns 1.000 ns 26.000 ns
5.00 ns/div Real time
2 200 mV/
0.00000 V

RECEIVER SIGNAL FROM BERT 200

FIG. 9



-4.000 ns 1.000 ns 6.000 ns
1.00 ns/div Real time
2 500 mV/
0.00000 V

RECEIVER SIGNAL FROM BERT 200

FIG. 10

TRANSMITTER (STATION A)

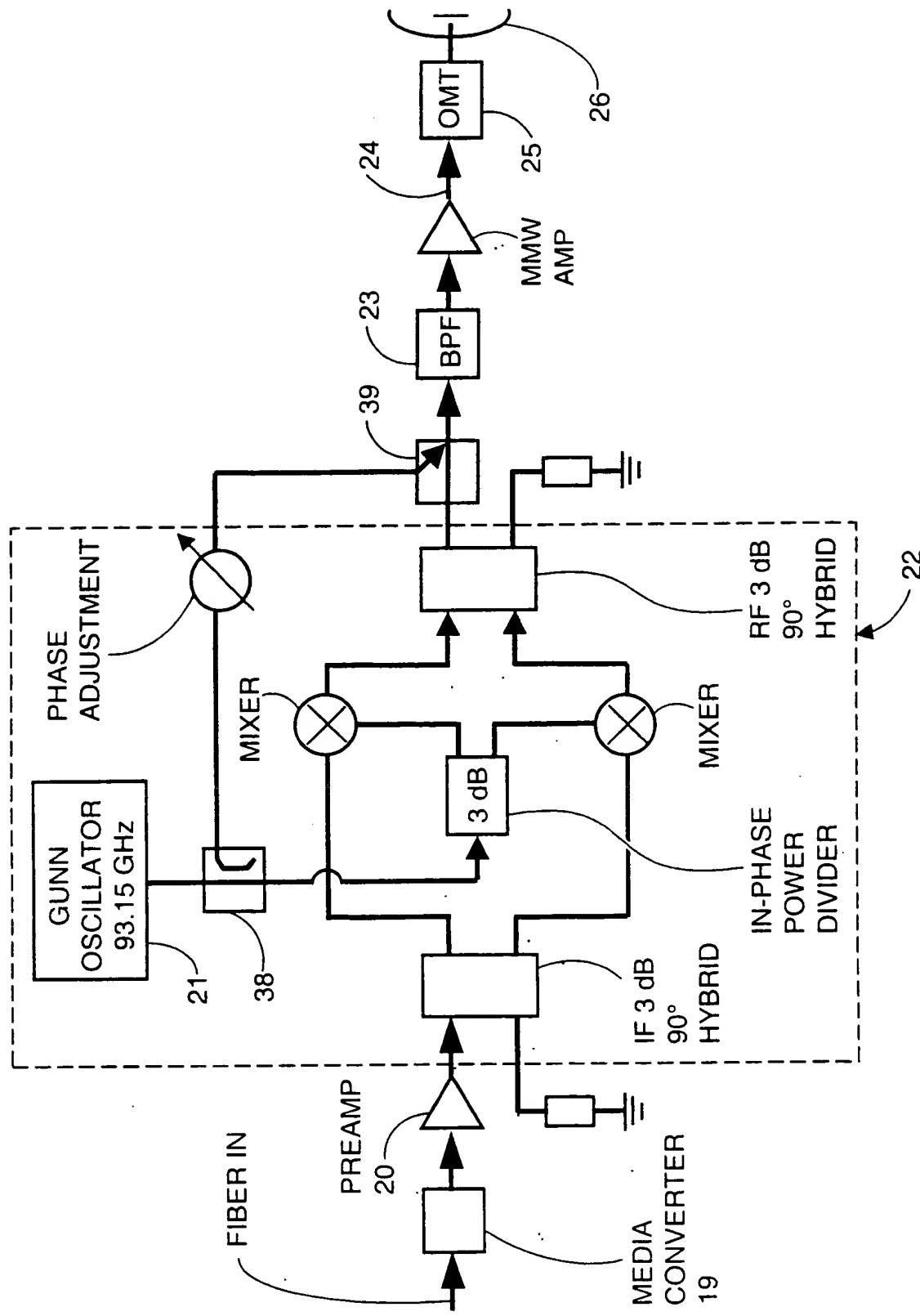


FIG. 11A

RECEIVER (STATION A)

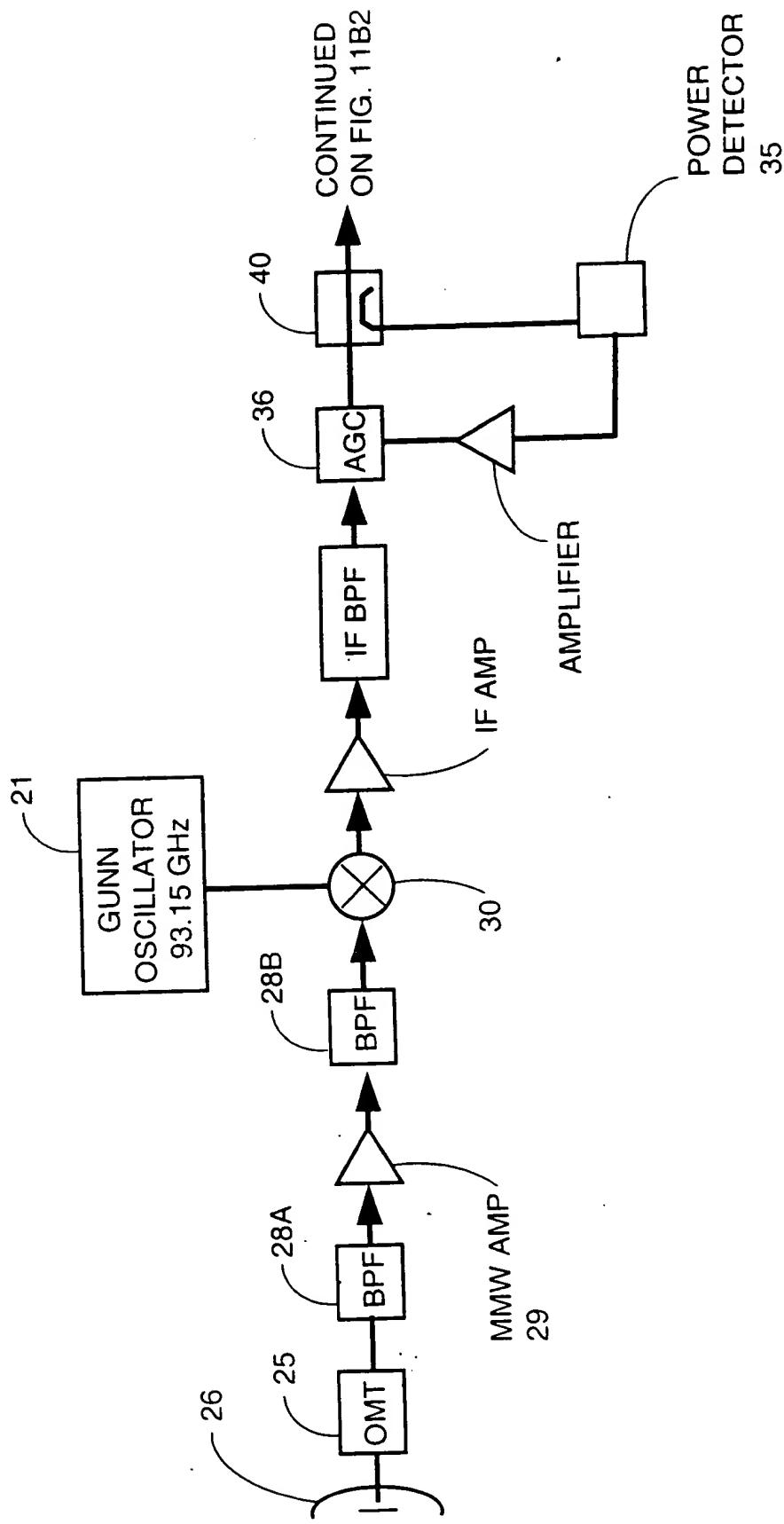


FIG. 11B1

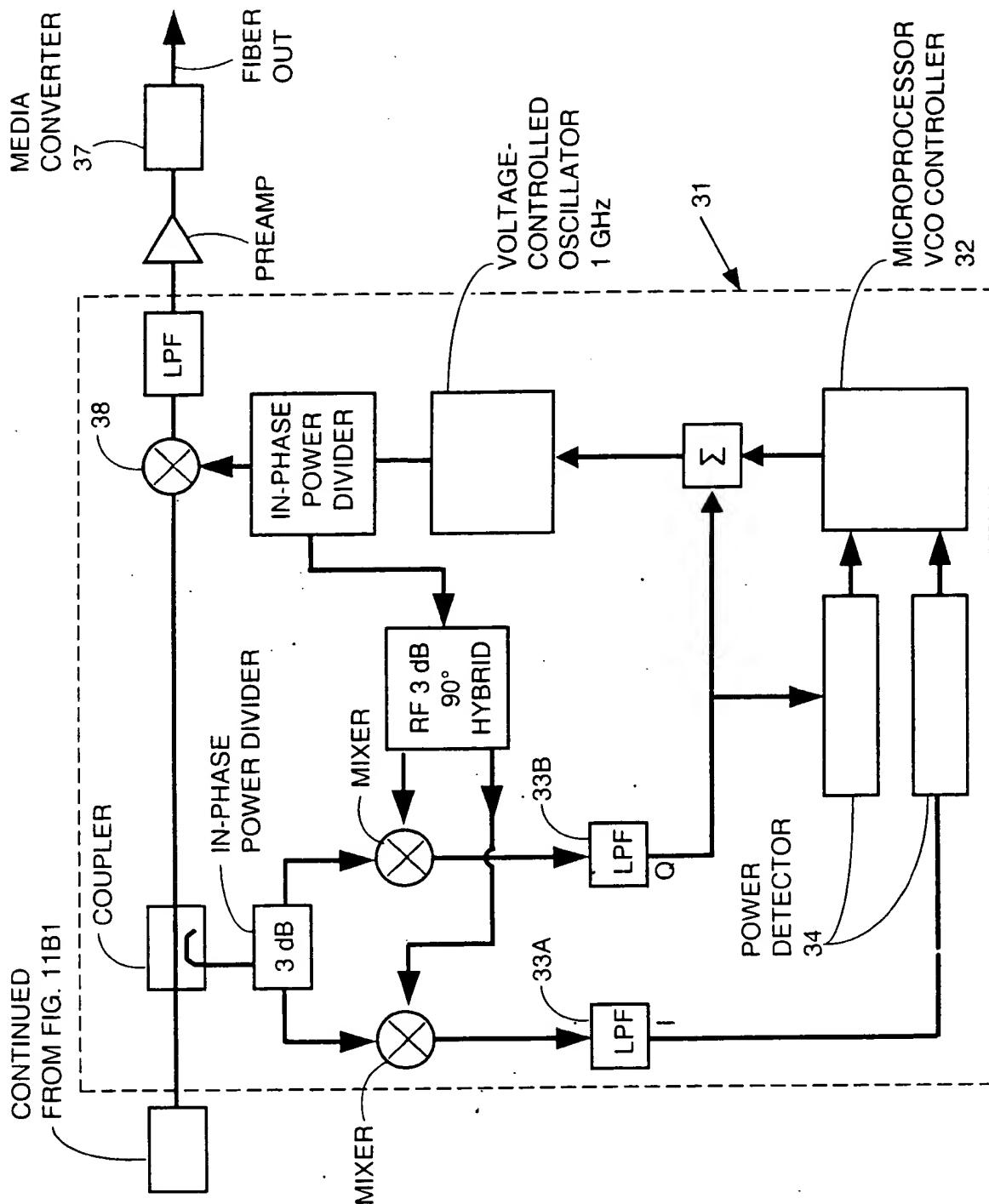


FIG. 11B2

TRANSMITTER (STATION B)

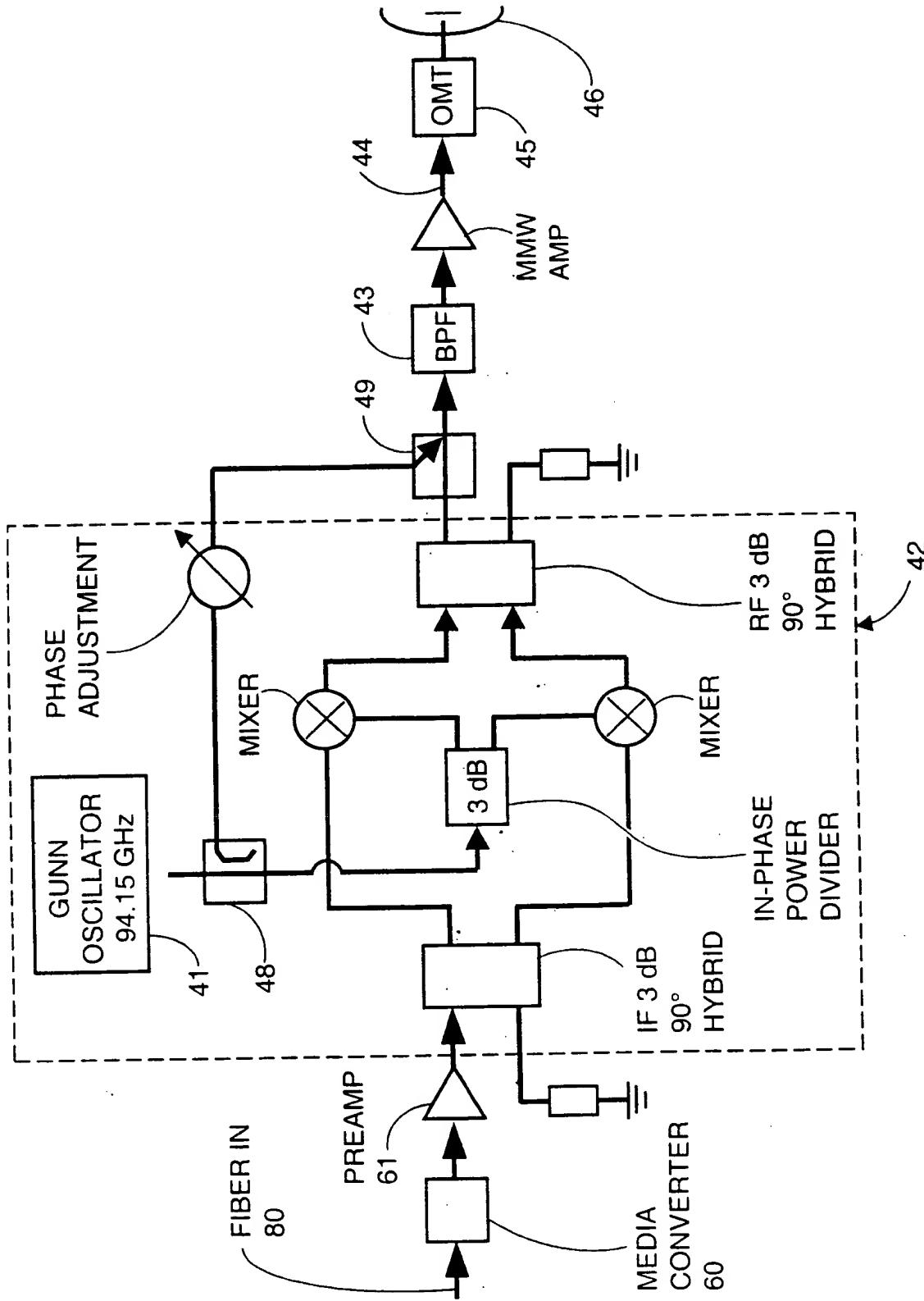


FIG. 12A

RECEIVER (STATION B)

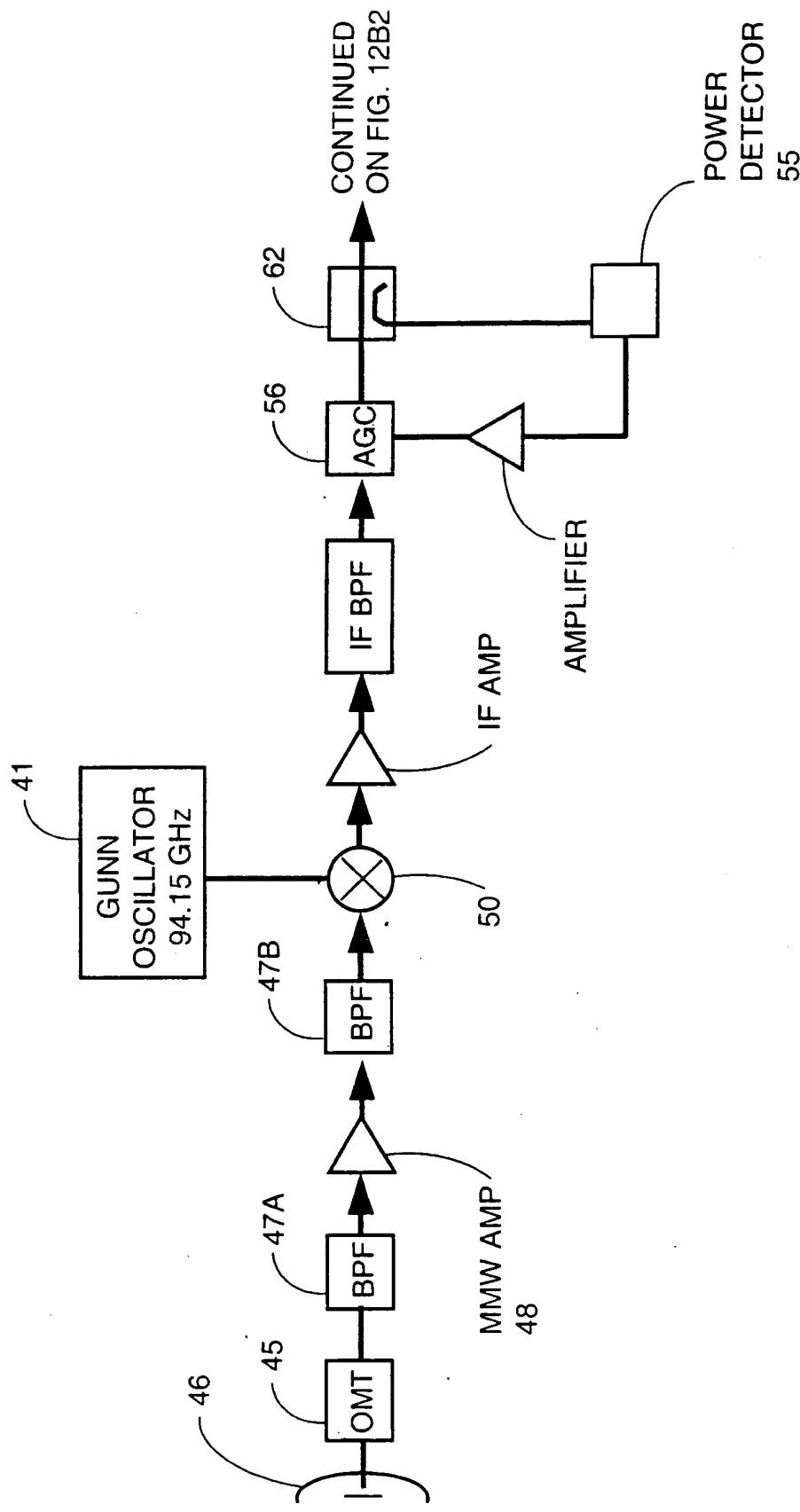


FIG. 12B1

CONTINUED FROM
FIG. 12B1

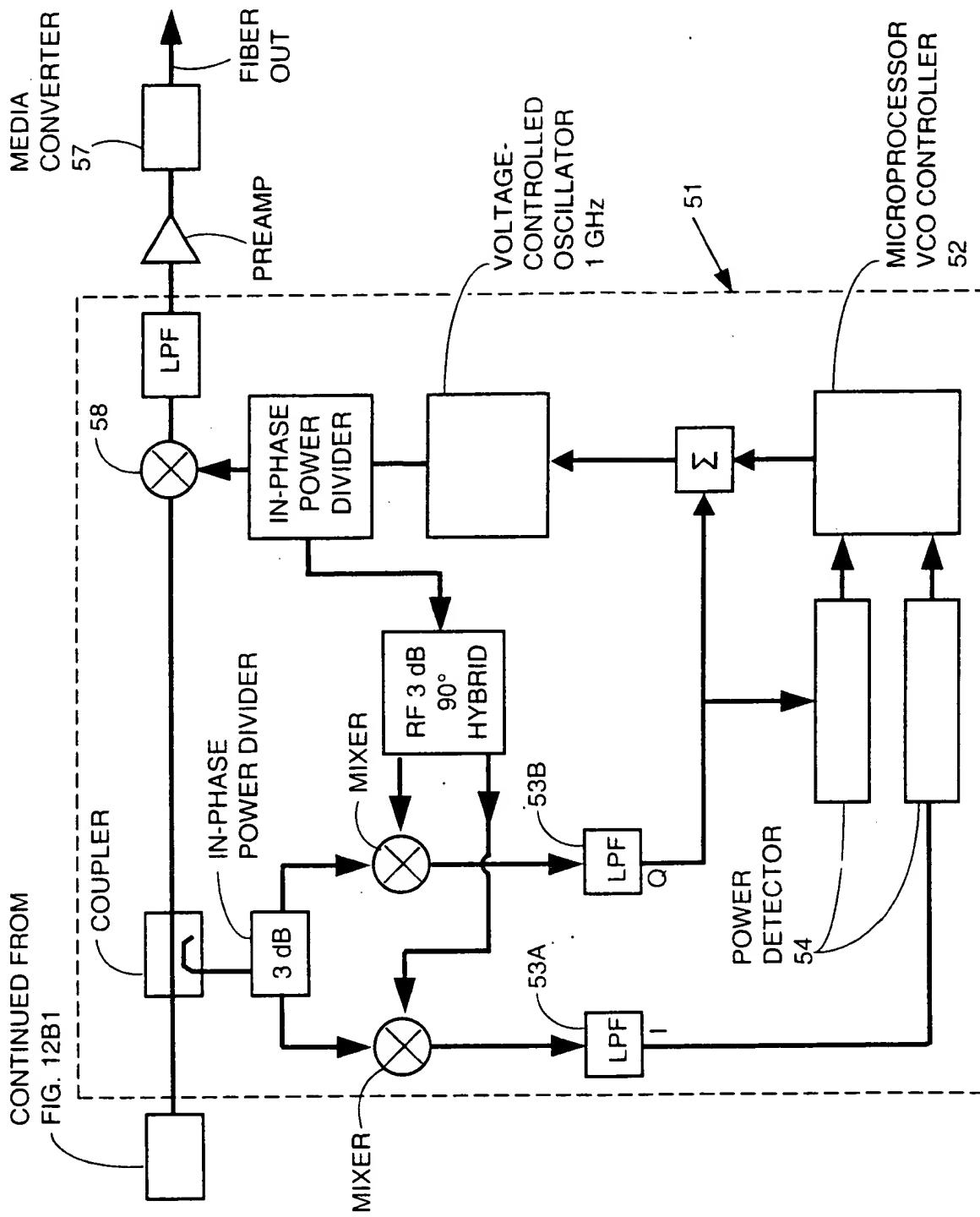


FIG. 12B2

SPECTRUM PLANNING DIAGRAMS
(STATION A)

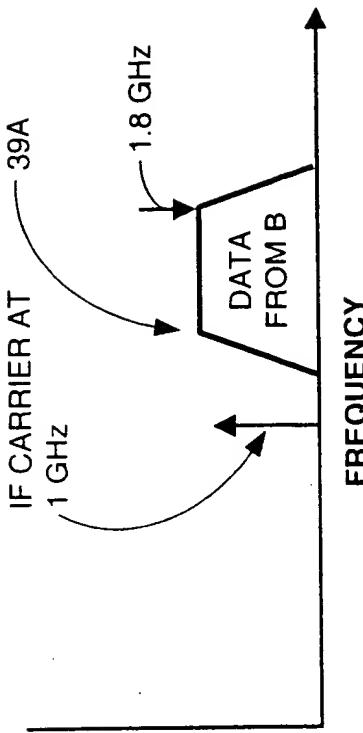
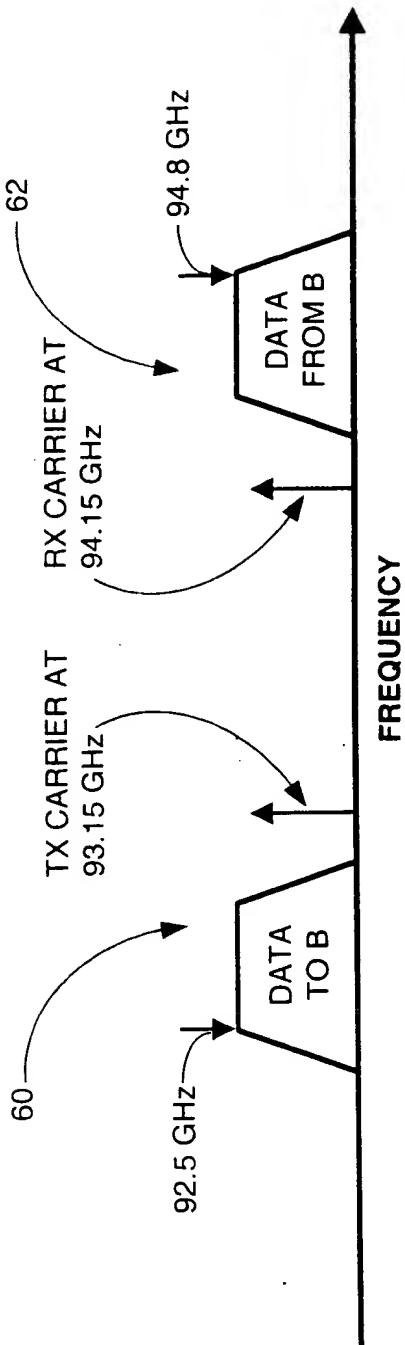


FIG. 13A

SPECTRUM PLANNING DIAGRAMS
(STATION B)

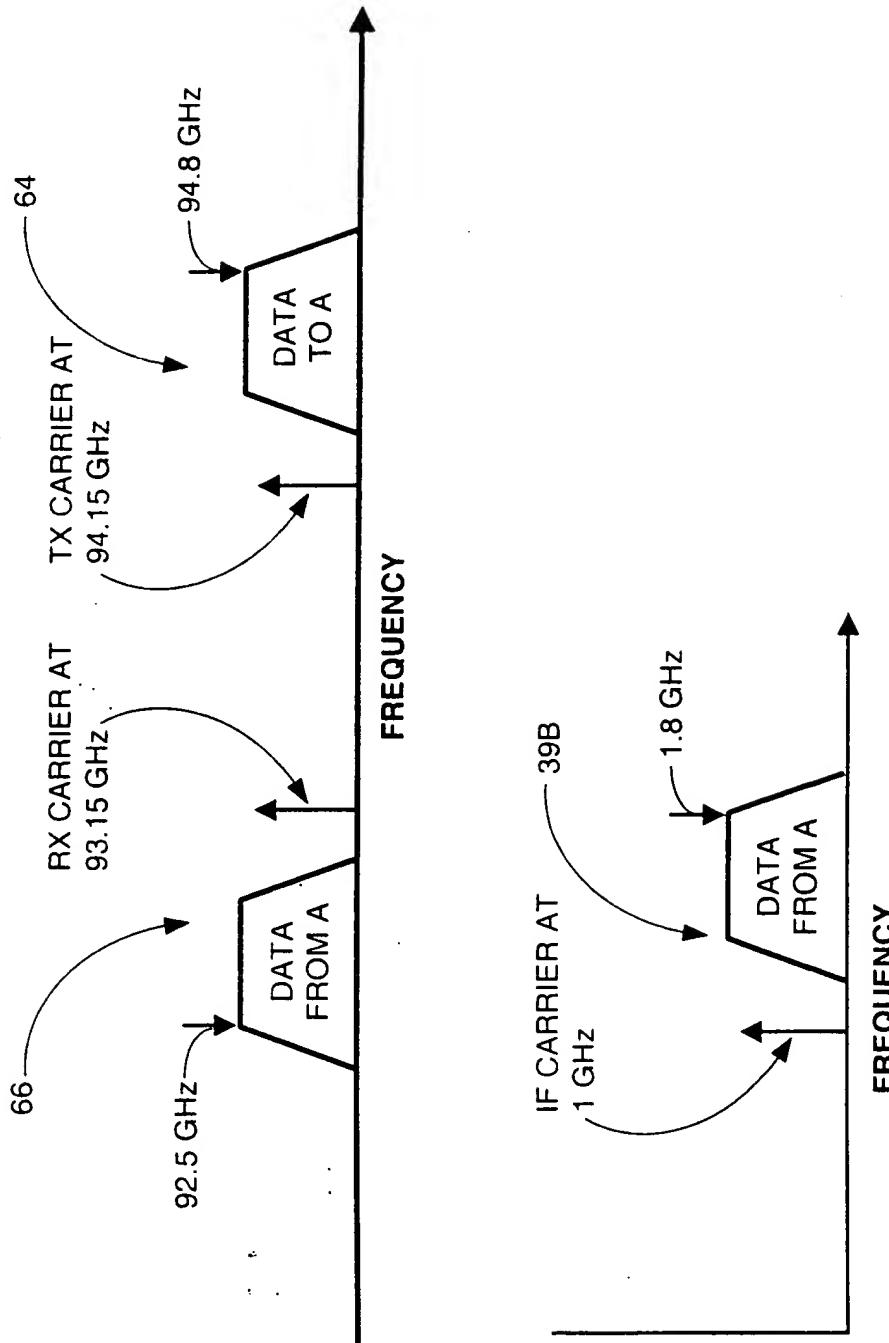


FIG. 13B

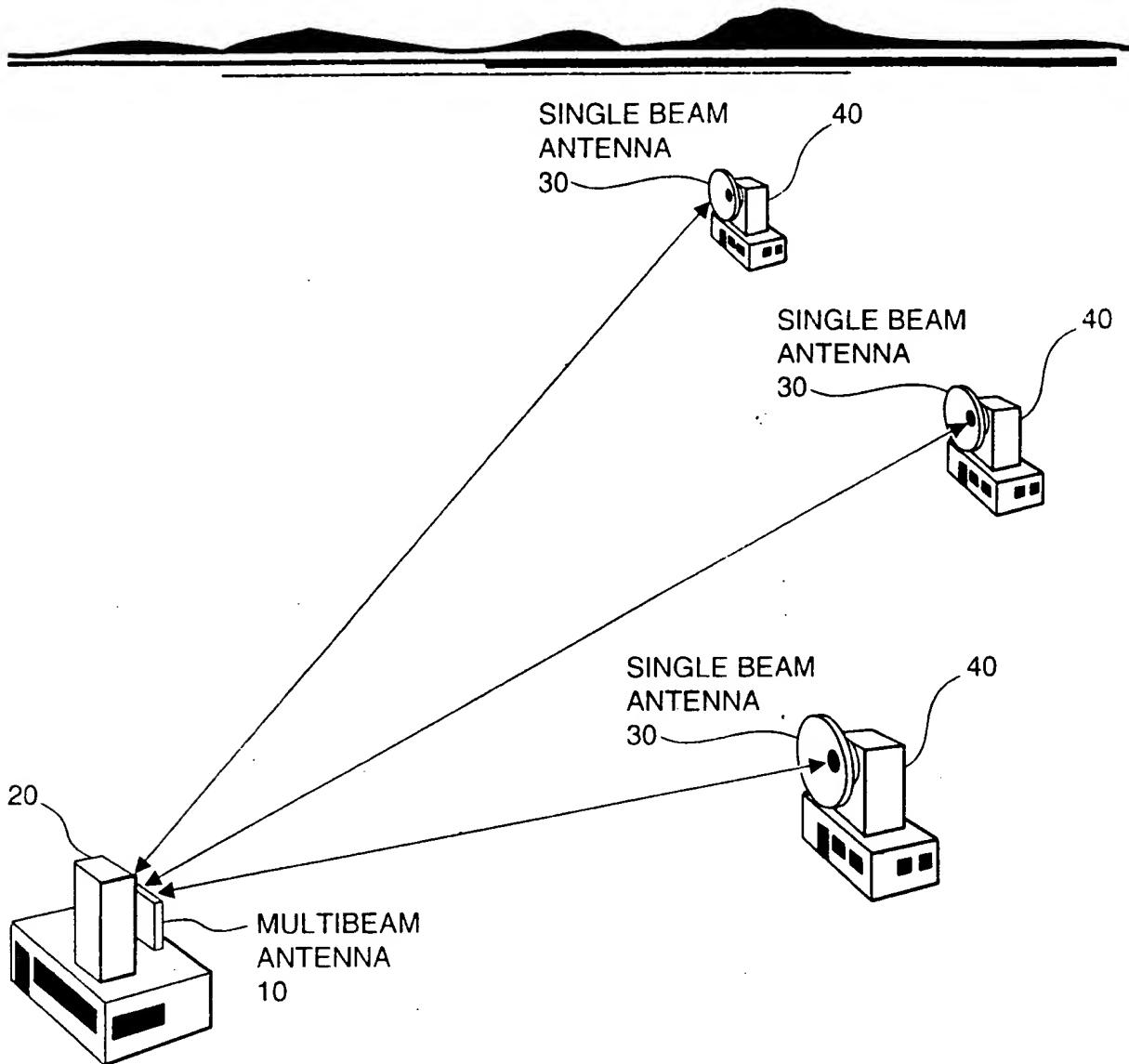


FIG. 14

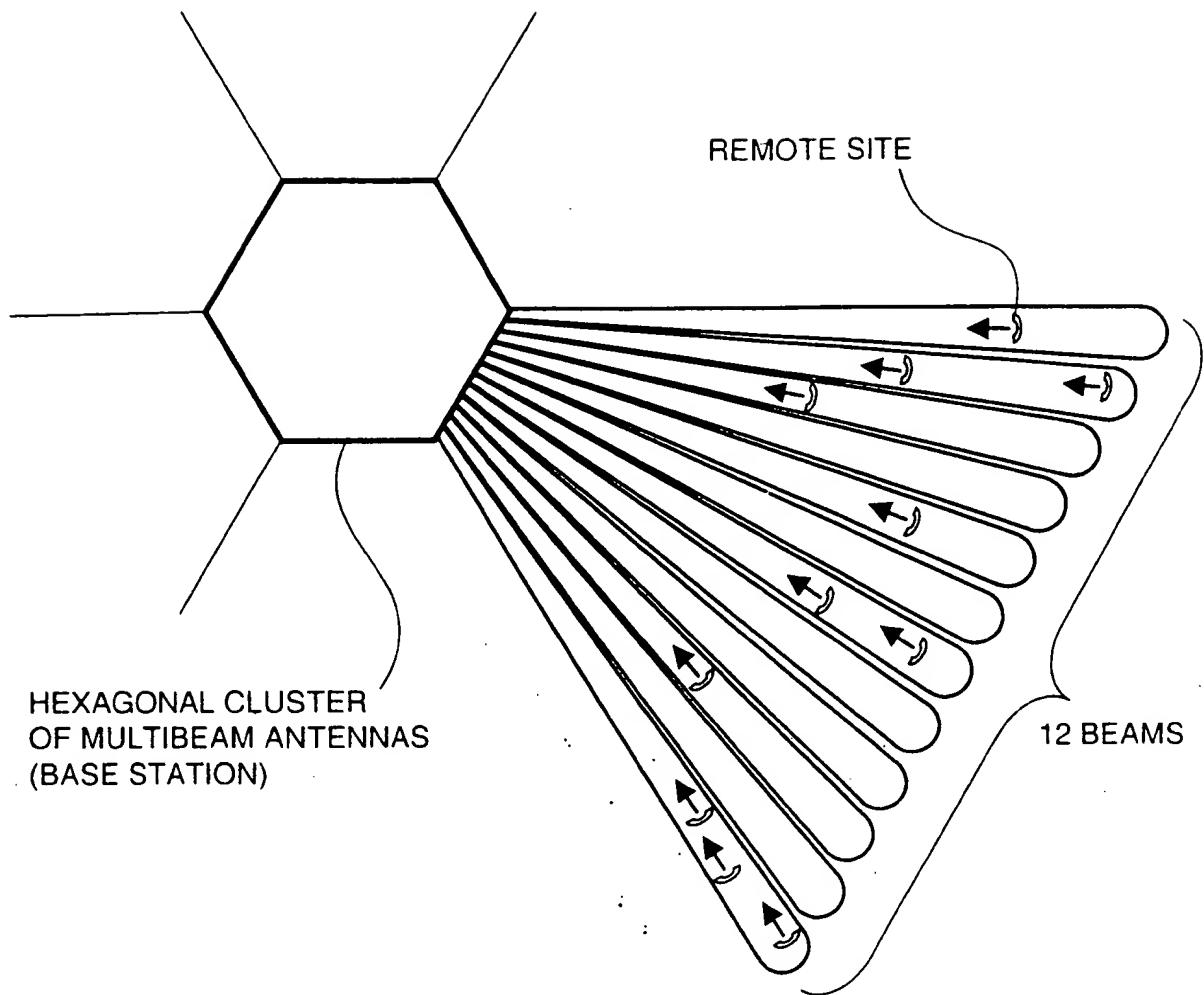


FIG. 15A

PRINT OF DRAWINGS
AS ORIGINALLY FILED

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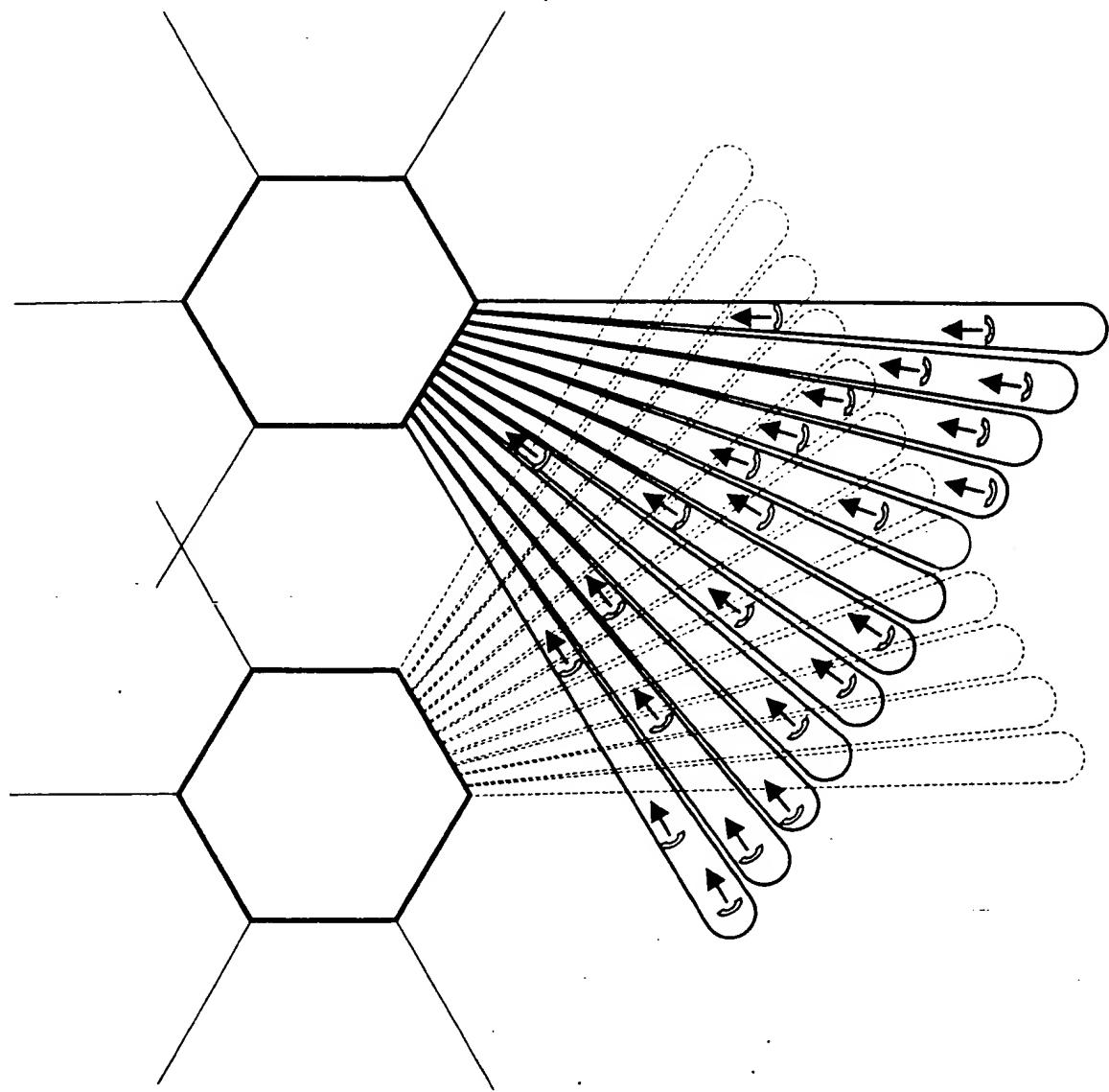


FIG.15B

**PRINT OF DRAWINGS
AS ORIGINALLY FILED**

03926583 20040312002

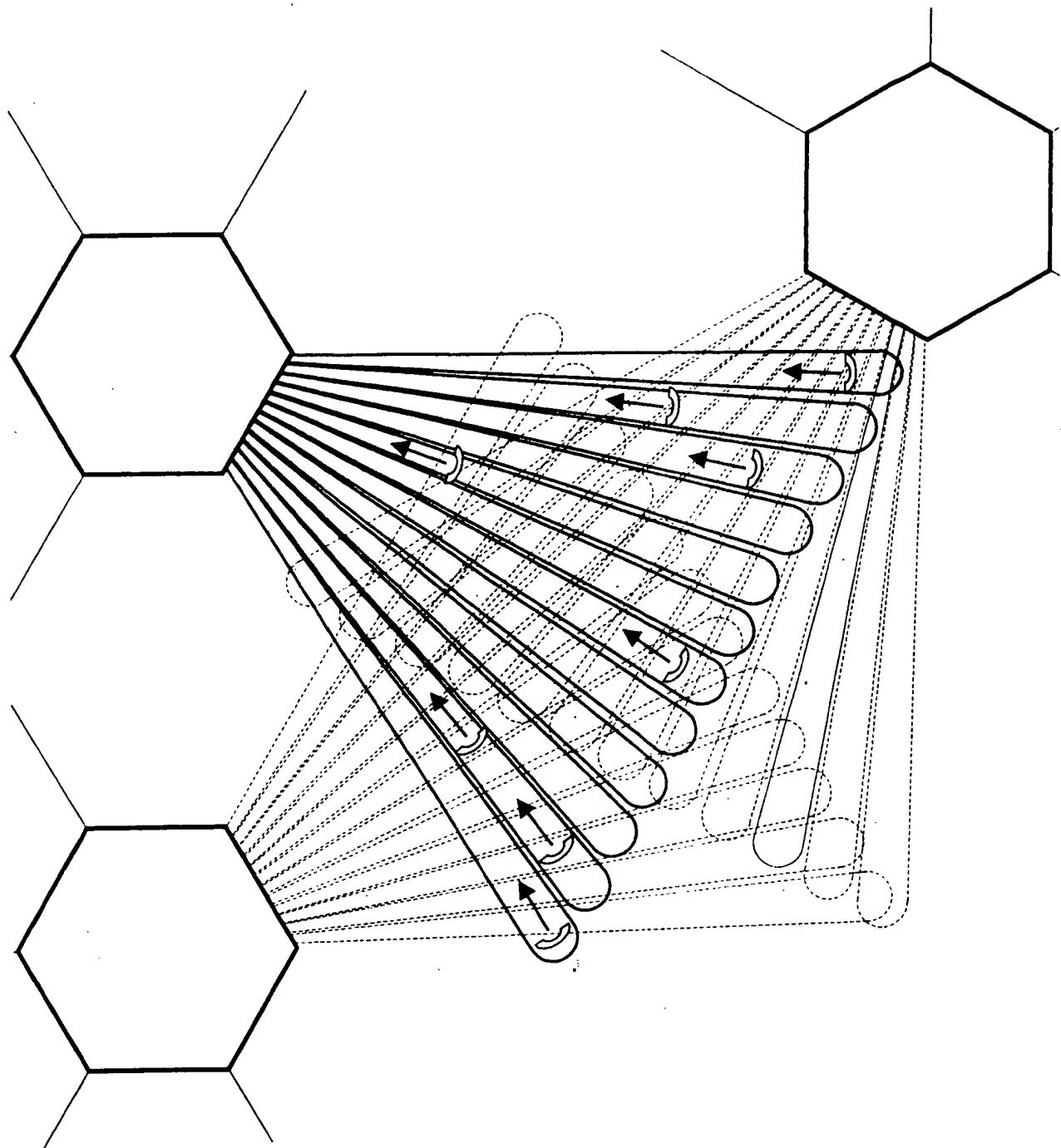


FIG.15C

100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

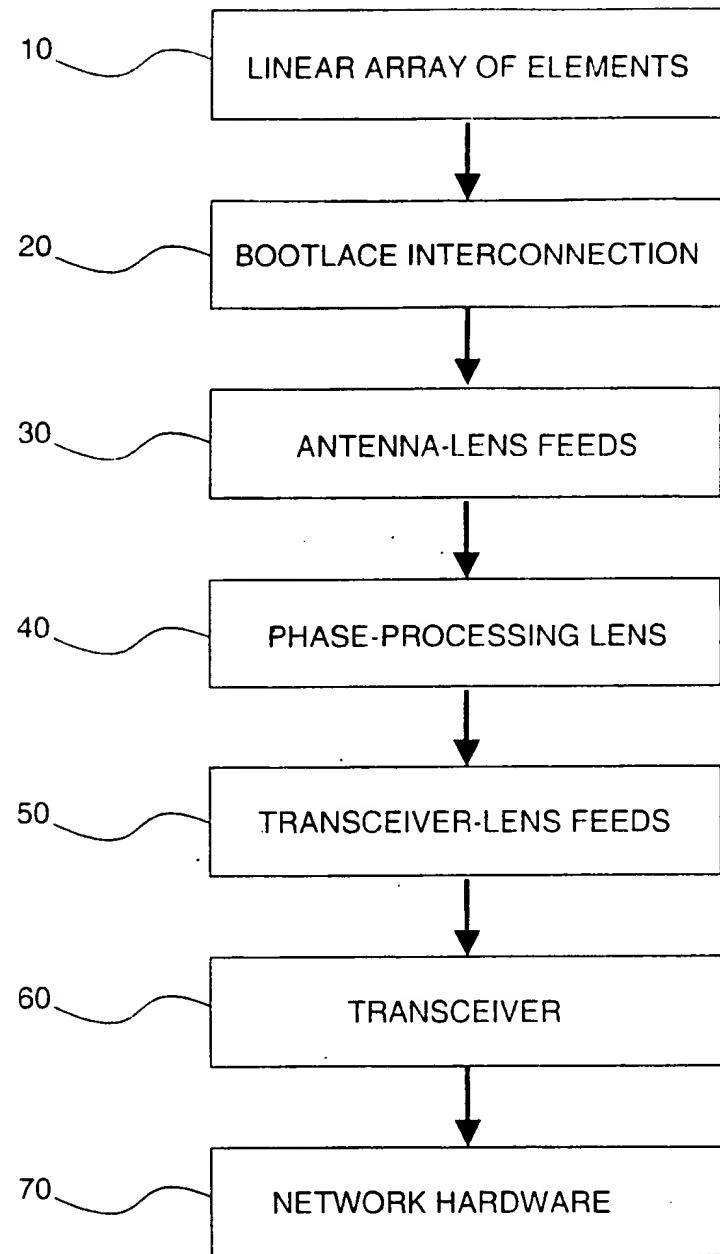


FIG. 16

TOP VIEW

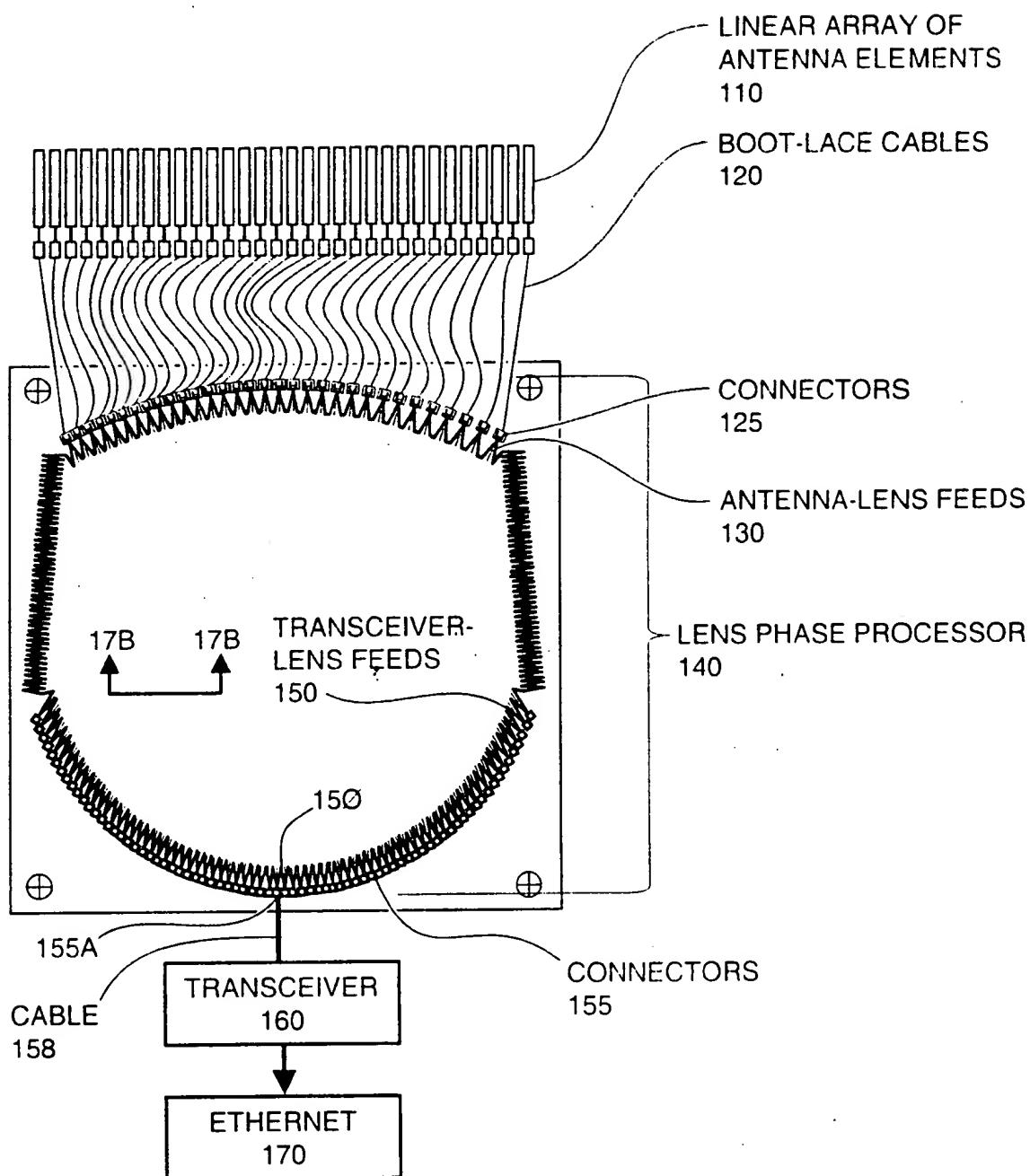


FIG. 17A

SIDE VIEW

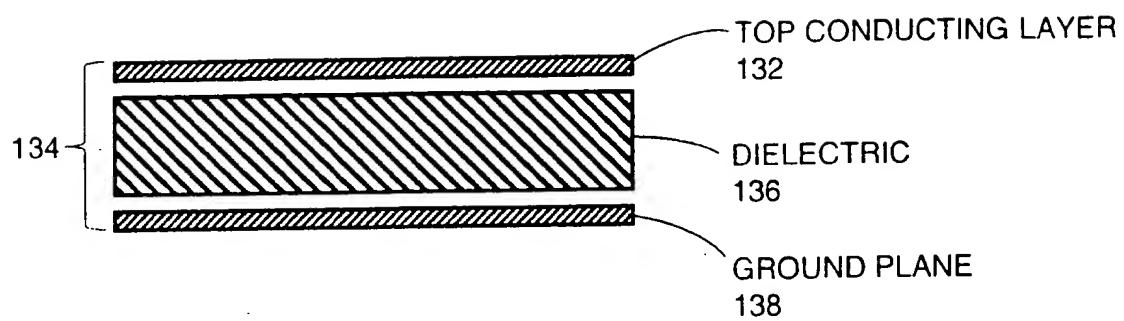


FIG. 17B

TOP VIEW

310

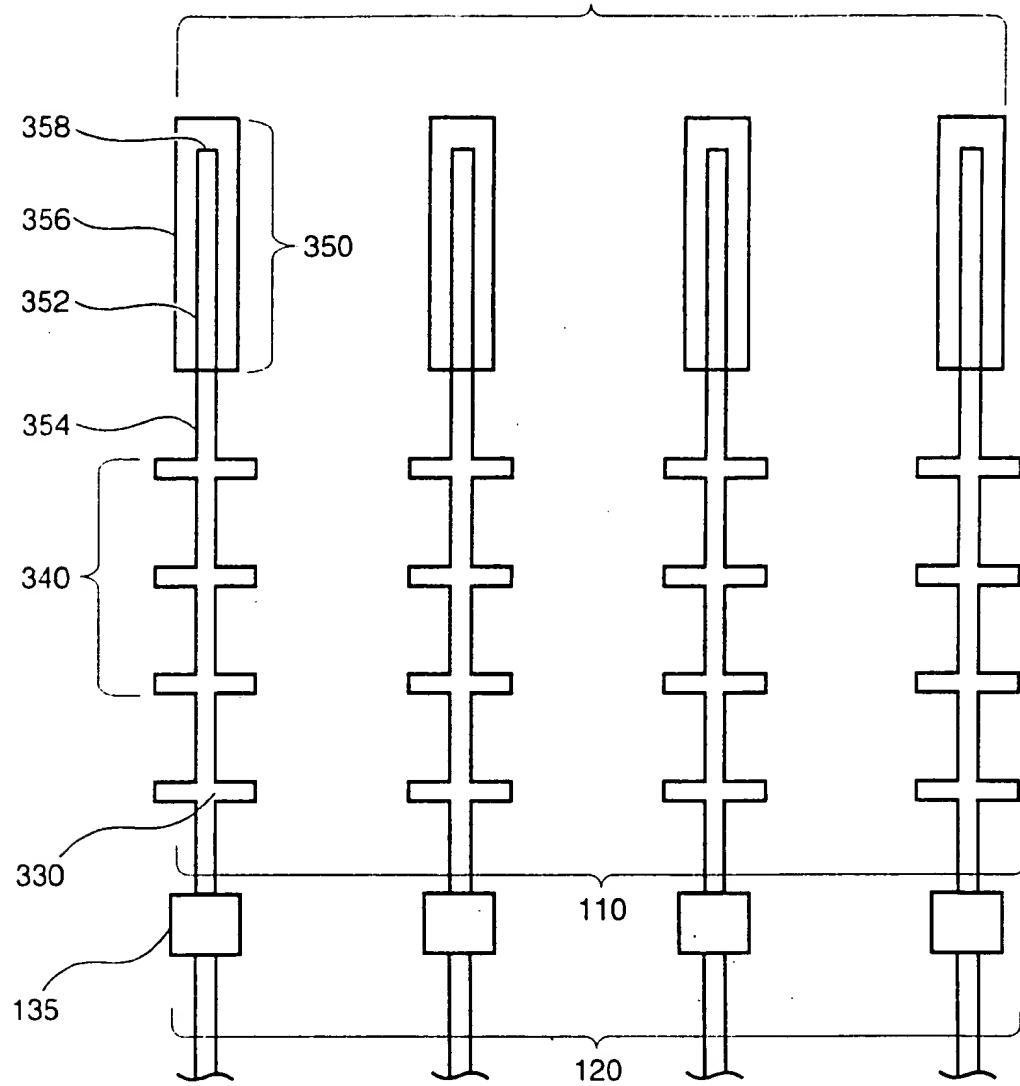


FIG. 18A

**PRINT OF DRAWINGS
AS ORIGINALLY ISSUED**

END VIEW

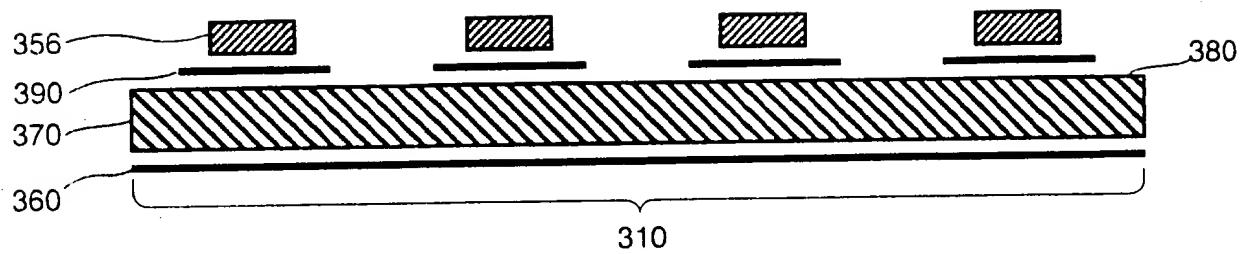


FIG. 18B

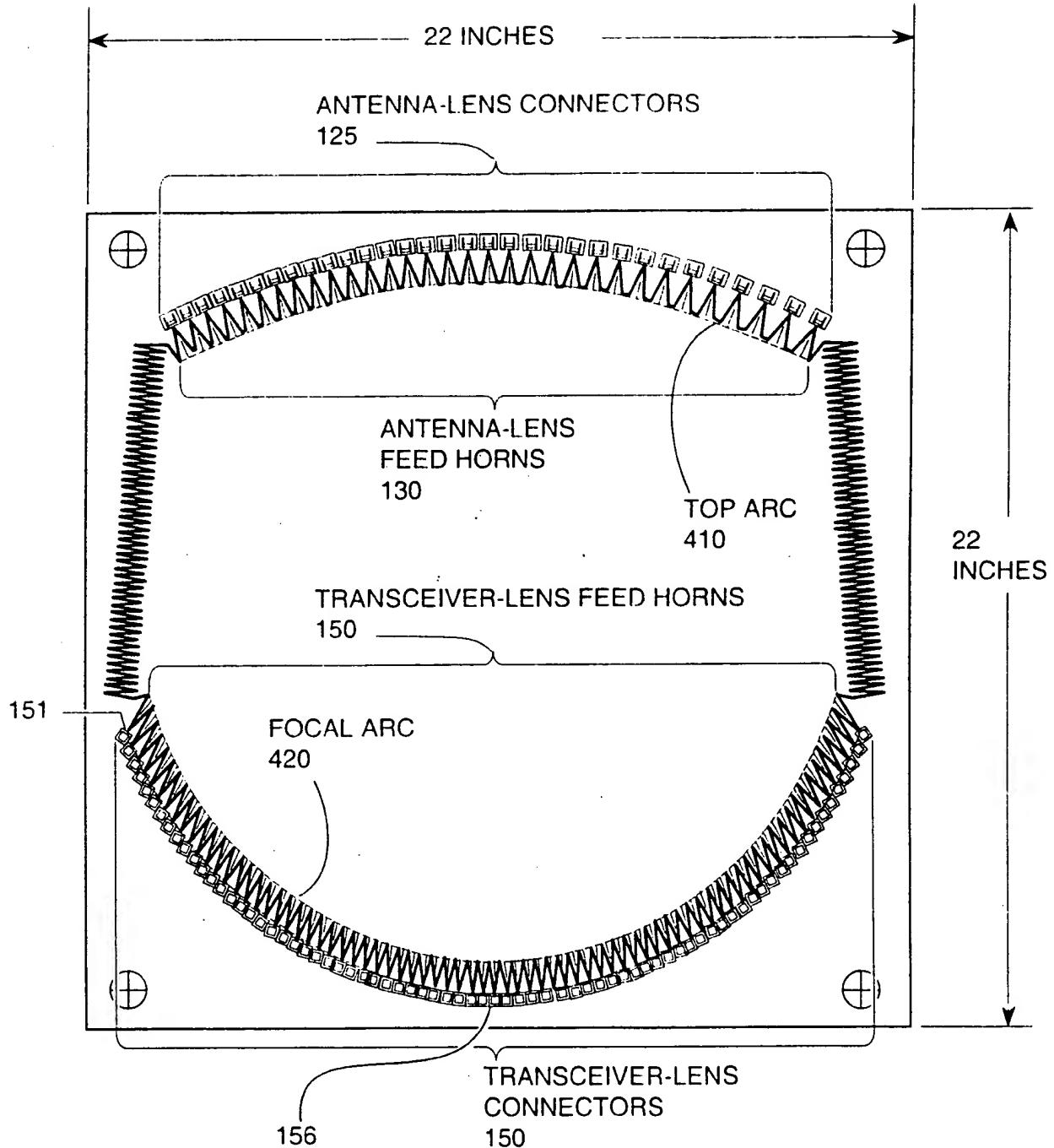


FIG. 19

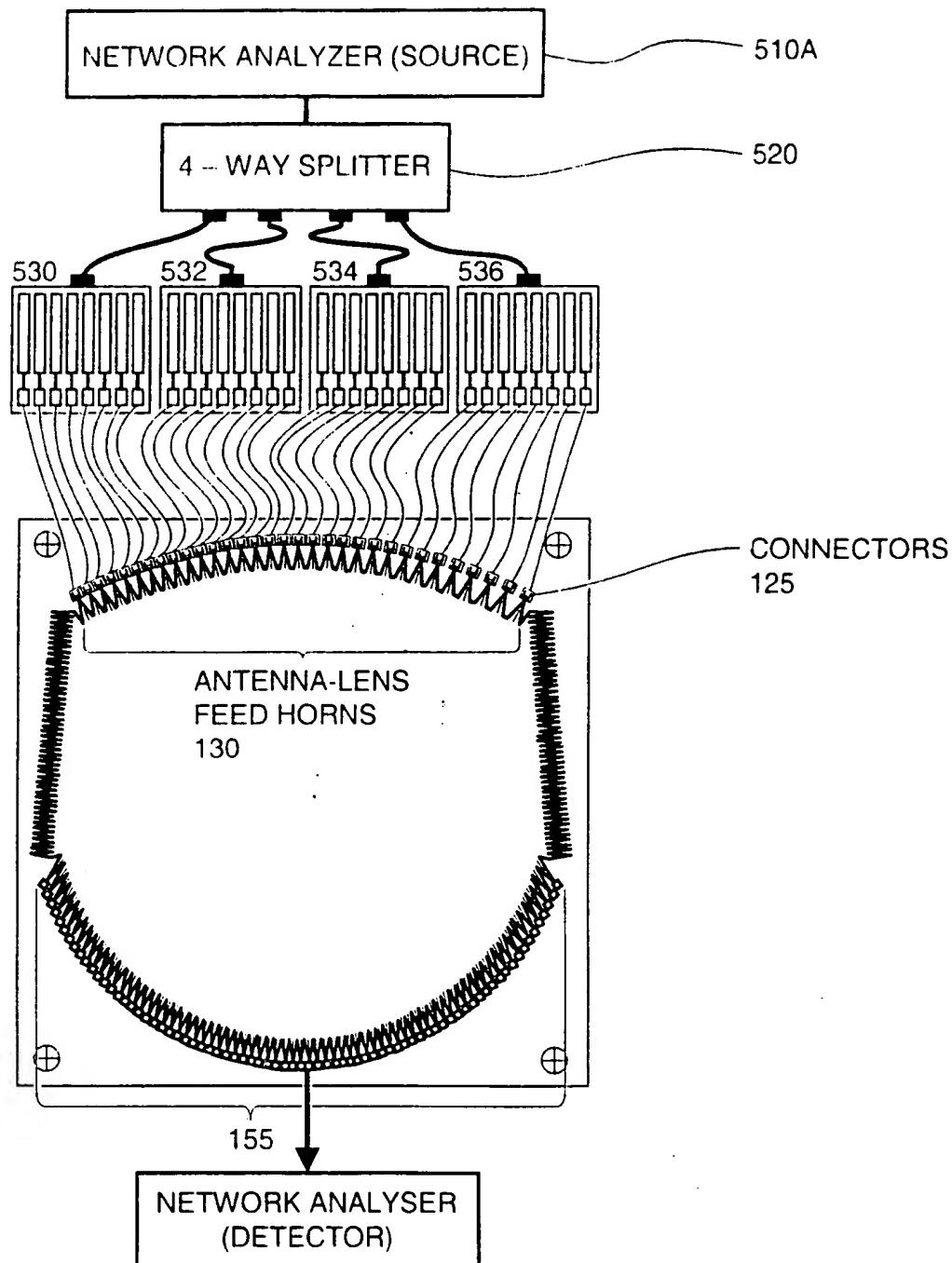


FIG. 20

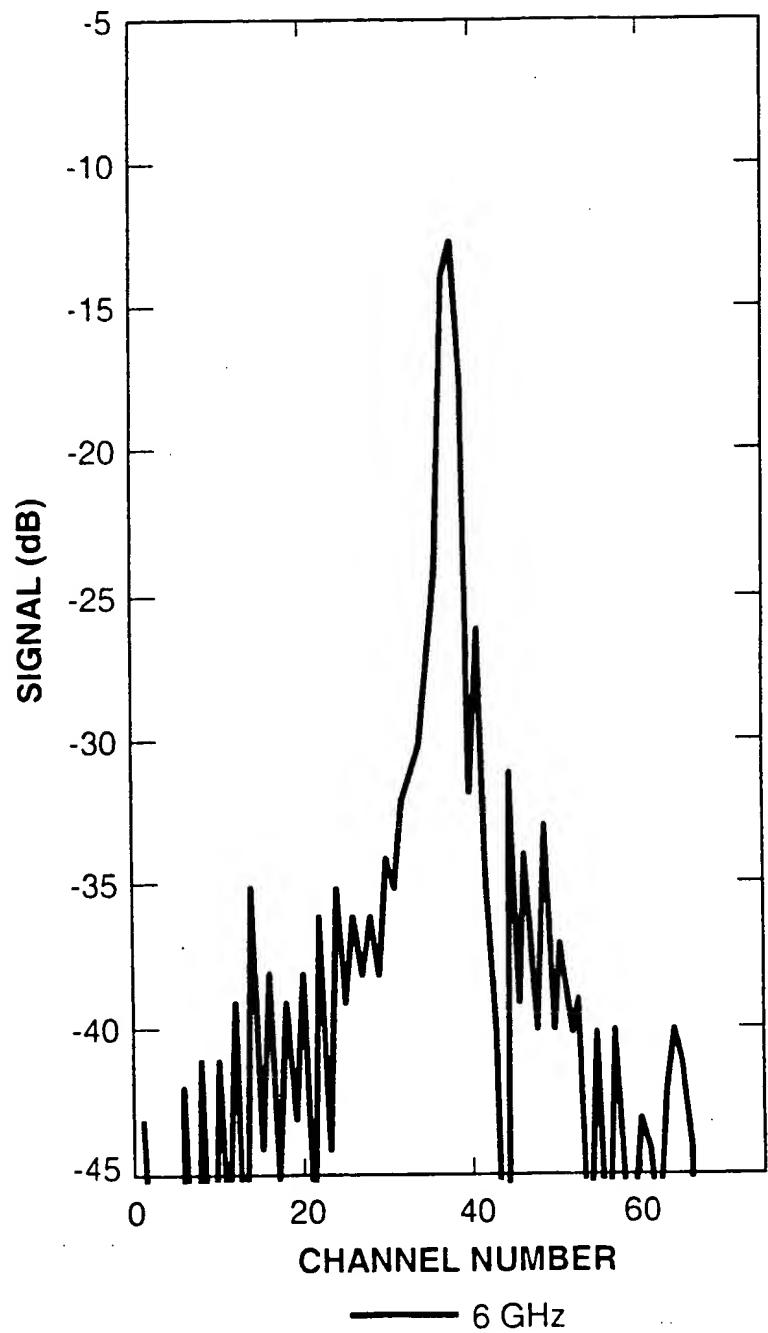


FIG. 21A

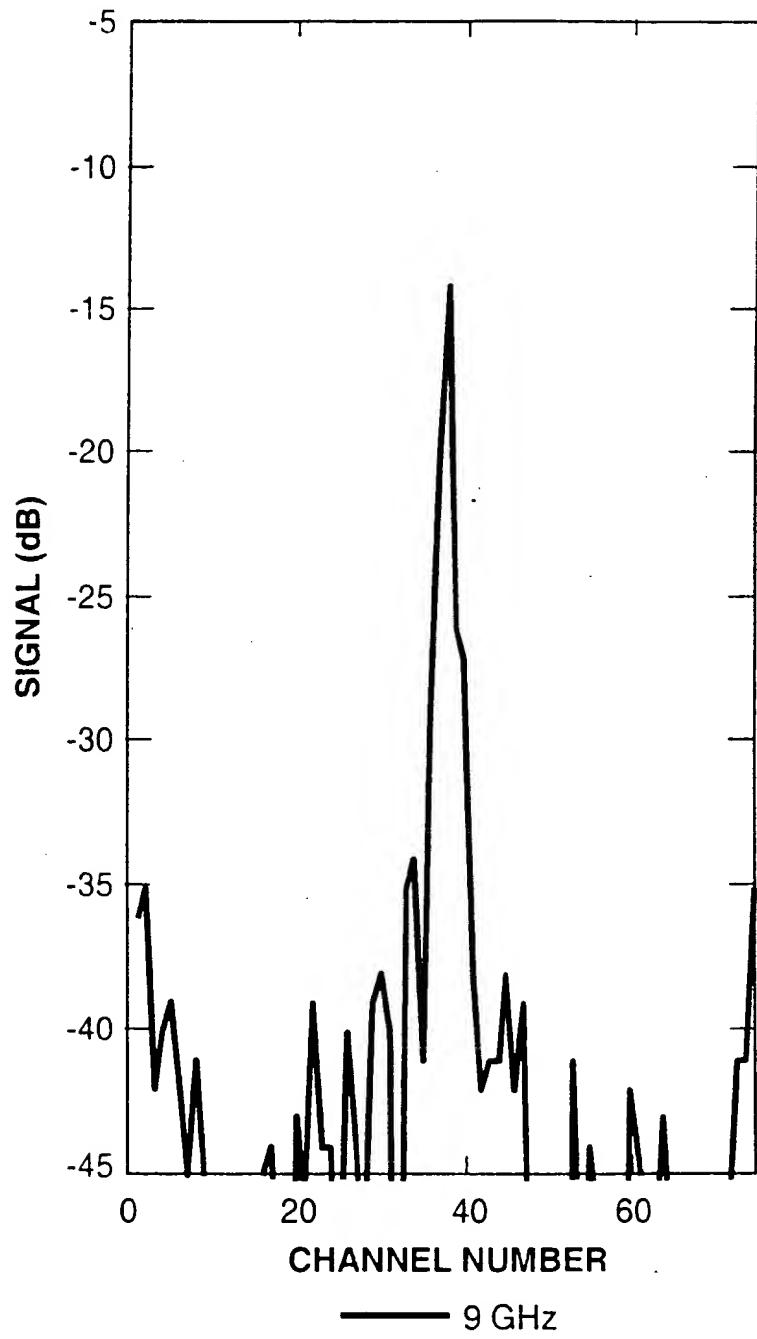


FIG. 21B

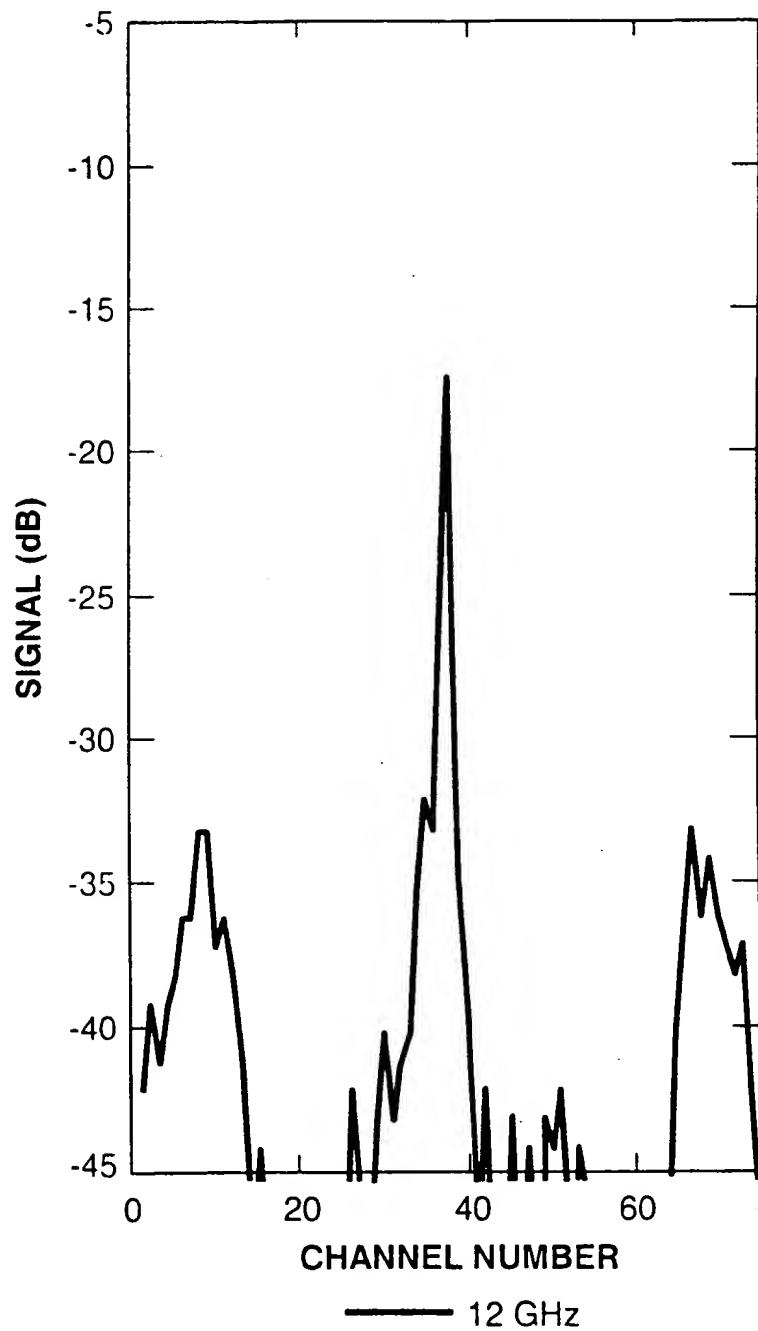


FIG. 21C



32 ANTENNA ELEMENTS
910

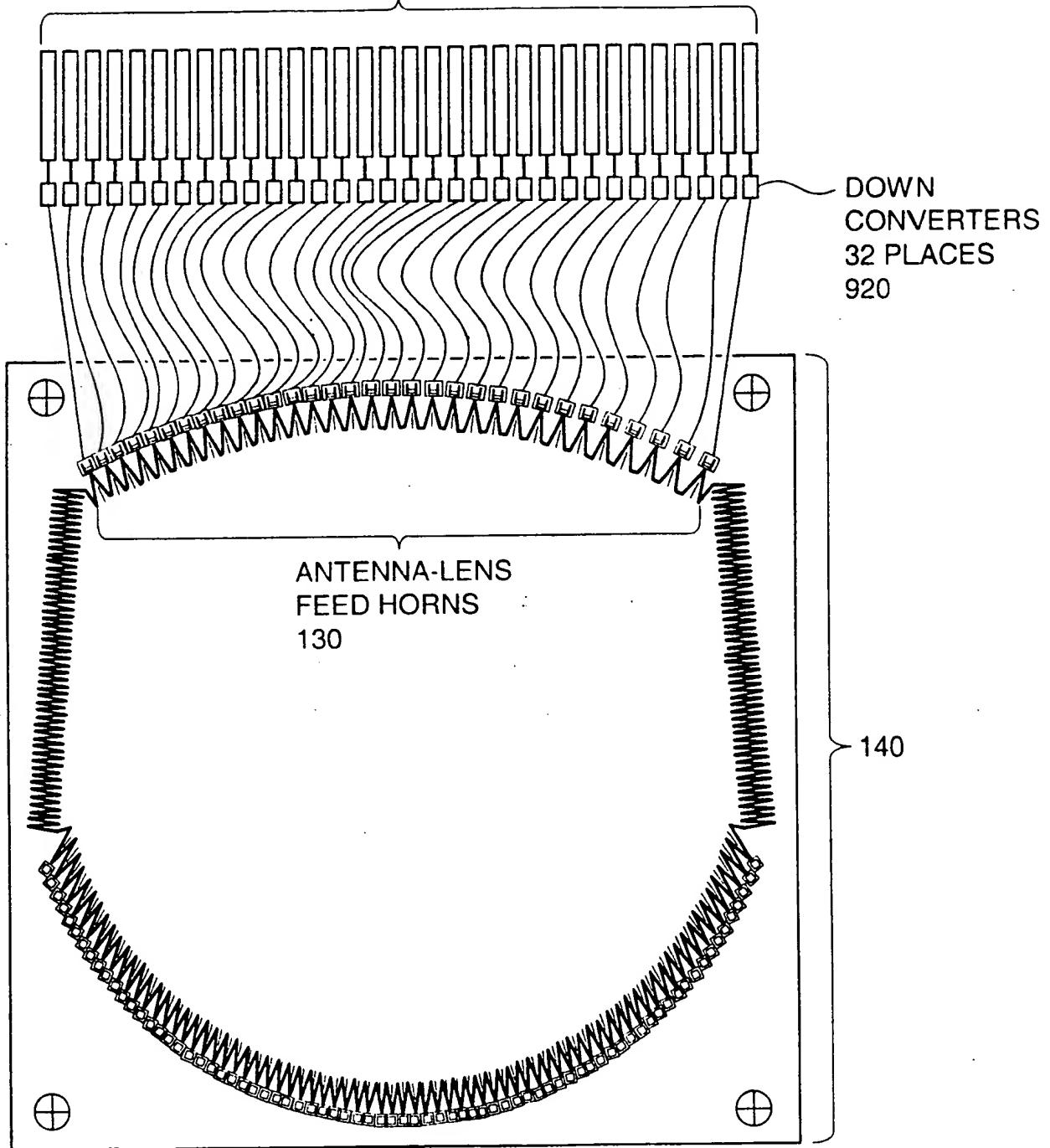


FIG. 22

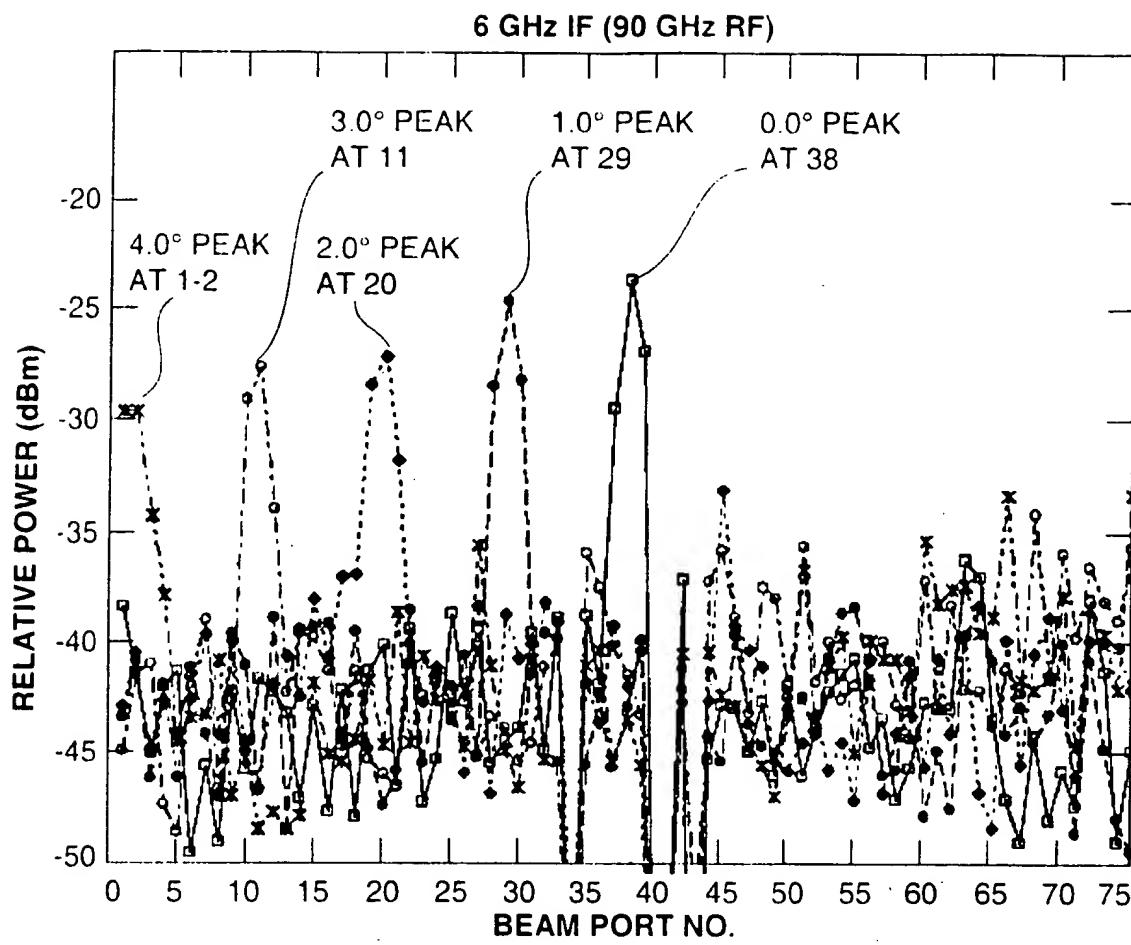


FIG. 23A

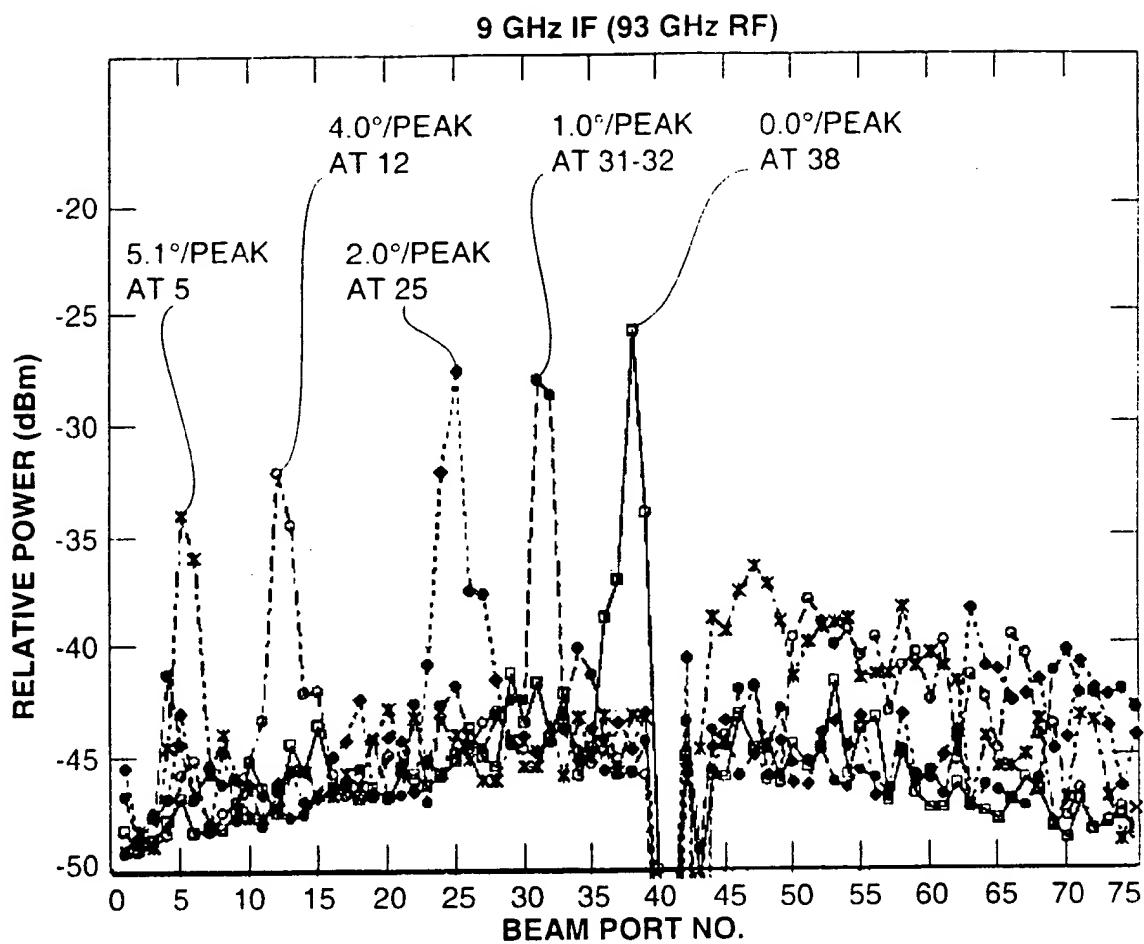


FIG. 23B

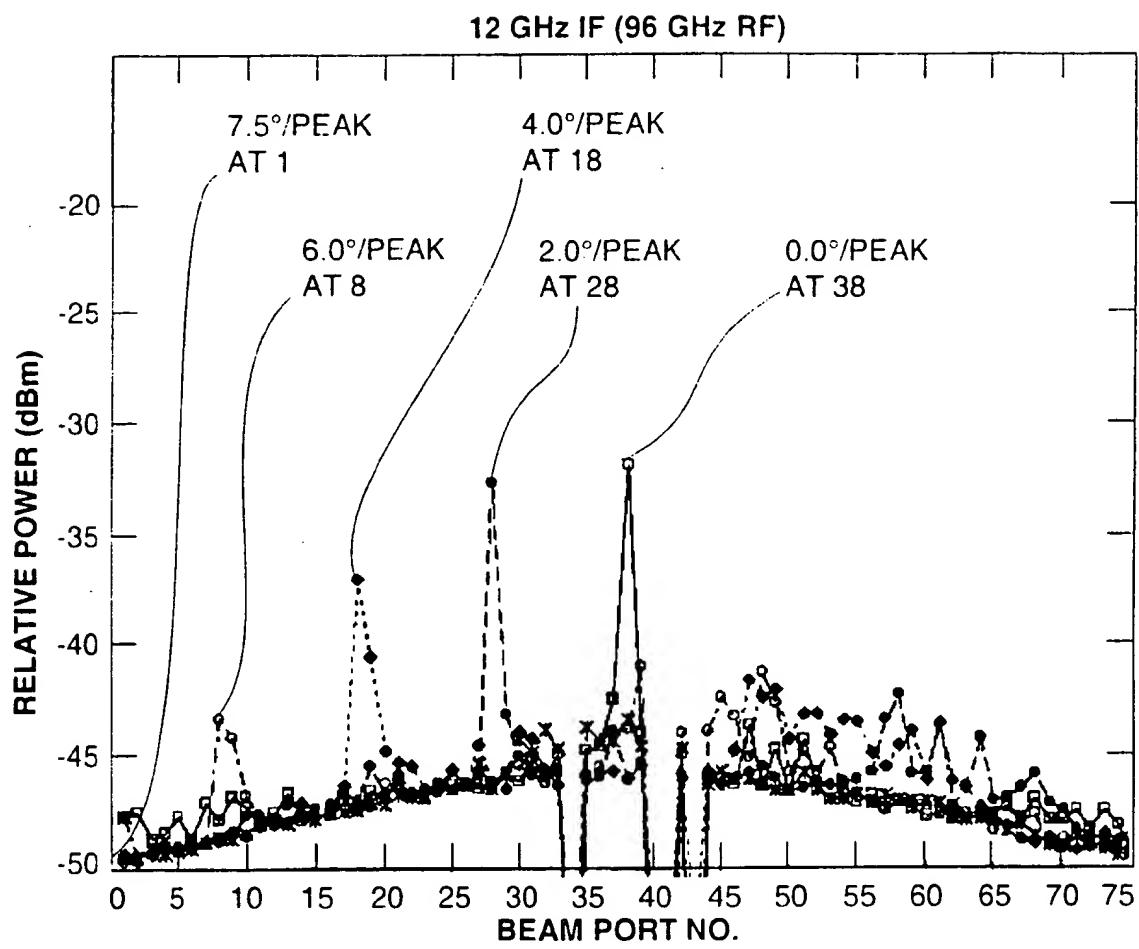


FIG. 23C